

CURRICULUM VITAE

Name: Girish S Agarwal, FRS, D Sc (hc)

Present Position:

Institute for Quantum Science and Engineering,
Departments of Biological and Agricultural Engineering,
and Physics and Astronomy, Texas A&M University

Education: BSc 1964 (Gorakhpur University)
M.Sc., 1966 (Banaras Hindu University)
Ph.D., 1969 (University of Rochester)

Positions Held:

Director and Distinguished Scientist-Physical Research Laboratory, Ahmedabad
Indian National Science Academy's Albert Einstein Centenary research Professor
Honorary Professorship at Jawaharlal Nehru Centre for Advanced Scientific Research,
Bangalore, 1995-2000
Professor, University of Hyderabad; March 3, 1977-1995, Served as the first Dean, School of
Physics, University of Hyderabad, till November 1980
Visiting Fellow-the Joint Institute for Laboratory Astrophysics, University of Colorado, Boulder,
1981-1982
SERC Senior Visiting Fellow at the University of Manchester Institute of Science and Technology,
1985-1986
Visiting Professorships at University of Ulm; University of Essen; University of Erlangen; Max-
Planck-Institute für Quantenoptik, Garching; Technische Universität, Vienna
Research Associate (1969-1971) and Assistant Professor (P-T) (1970-1971) in the Department of
Physics and Astronomy, University of Rochester, Rochester, NY
Assistant at the Institute for Theoretische Physik, Universität Stuttgart, Germany, 1971-1973
Visiting Fellow at the Tata Institute of Fundamental Research (TIFR), Bombay, 1973-1975
Professor (and Head of the Department of Physics), Institute of Science, Bombay, March 1, 1975-
March 1, 1977

Ph.D. Students:

Twenty one students completed Ph.D. thesis under my supervision.

Areas of Research Activity:

- (i) Quantum Optics
- (ii) Nonlinear Optics
- (iii) Quantum Information Science
- (iv) Plasmonics -nano photonics

Prizes and Awards:

Eastman Kodak Prize of the University of Rochester (1969)
Max-Born Award of the Optical Society of America (1988)
Humboldt Research Award (1997), Germany
The World Academy of Sciences Prize in Physics (1994), Trieste, Italy
Einstein Medal of the Optical and Quantum Electronics Society, USA (1994)
Eminent Faculty Award of The Oklahoma State University (2012)
Shanti Swaroop Bhatnagar Award in Physical Sciences (1982), the Govt. of India
Meghnad Saha Award in Theoretical Sciences (1987), University Grants Commission, New Delhi
Goyal Prize in Physics (1994)
G.D. Birla Award for Scientific Research (1995)
R.D. Birla Award of the Indian Physics Association (1996)
M.N. Saha Birth Centenary Award (2001-2002) of the Indian Science Congress Association

Honorary Doctorates:

Honoris causa (2011) University of Hyderabad, India
Honoris causa (2007) University of Liege, Belgium

Chair Appointments:

J C Bose chair at IISER Pune,
J R D Tata Chair at TIFR Mumbai
Infosys Chair, IISc, Bangalore

Fellowships:

Elected Fellow of the Royal Society (2008)
Elected Fellow of the American Physical Society (1981)
Elected Fellow of the World Academy of Sciences (1997)
Elected Fellow of the Optical Society of America (1986)
Elected Fellow of the Indian Academy of Sciences, Bangalore (1981)
Elected Fellow of the Indian National Science Academy, New Delhi (1985)
Elected Fellow of the National Academy of Sciences, India, Allahabad (1988).
Honorary Fellow (2008)-Indian Association for Cultivation of Science, Kolkata, India

Other Honors:

Recognized outstanding referee by the American Physical Society (2009)
Recognized outstanding referee by the European Physics Letters
Nehru Birth Centenary Lecture award (2000), Indian National Science Academy
K.R. Ramanathan Gold Medal of the Indian Geophysical Union, Hyderabad, (1997)
Indian Science Congress, Centennial and Platinum Jubilee Lecturer

Research Publications:

Author of more than 700 original publications in top journals of Physics and Optics

Editorial and Other Activities:

Service on the editorial boards of many publications in Optical Physics and Physics